

For Research Use Only

human IgD Polyclonal antibody

Catalog Number: 16489-1-AP **1 Publications**



Basic Information

Catalog Number: 16489-1-AP	GenBank Accession Number: BC021276	Purification Method: Antigen affinity purification
Size: 800 µg/ml	GeneID (NCBI): 3495	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:400-1:3200 IF-P 1:200-1:800
Source: Rabbit	Full Name: immunoglobulin heavy constant delta	
Isotype: IgG	Calculated MW: 573 aa, 63 kDa	
Immunogen Catalog Number: AG9614	Observed MW: 55-70 kDa	

Applications

Tested Applications:

WB, IF-P, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : human plasma tissue,

IHC : human tonsillitis tissue,

IF-P : human tonsillitis tissue,

Background Information

IgD is the major antigen receptor isotype on the surface of most peripheral B-cells, where it is coexpressed with IgM. The membrane-bound IgD (mIgD) induces the phosphorylation of CD79A and CD79B by the Src family of protein tyrosine kinases. This antibody recognize the heavy chain (~70 kDa) of IgD.

Notable Publications

Author	Pubmed ID	Journal	Application
Timothy J Smith	38715362	Mol Ther	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

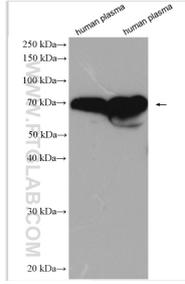
T: 4006900926

E: Proteintech-CN@ptglab.com

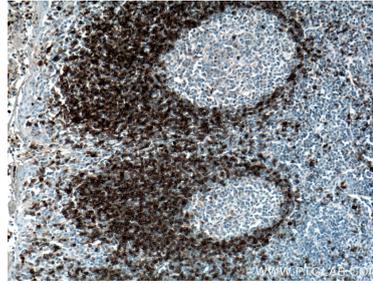
W: ptgcn.com

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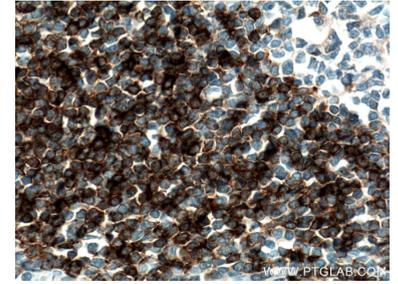
Selected Validation Data



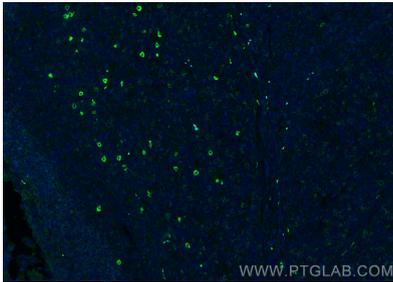
human plasma tissue were subjected to SDS PAGE followed by western blot with 16489-1-AP (human IgD antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 16489-1-AP (human IgD antibody) at dilution of 1:1600 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 16489-1-AP (human IgD antibody) at dilution of 1:1600 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using human IgD antibody (16489-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).